

General Biology Unit Exam

Name _____

Date _____

Period _____

Write the letter of the term or phrase that correctly completes the statement.

- _____ 1. The recorded measurements taken during an experiment are:
(a) conclusions (b) data (c) variables (d) controls.
- _____ 2. A statement that explains an observations is called the
(a) experiment (b) observation (c) variable (d) hypothesis
- _____ 3. Changes that occur during an experiment are compared with an unchanged group called the:
(a) variable (b) control (c) hypothesis (d) conclusion
- _____ 4. Testing the hypothesis is called:
(a) a conclusion (b) an experiment (c) a theory (d) a law
- _____ 5. At the end of an experiment, a scientist forms a(n):
(a) problem (b) hypothesis (c) observation (d) conclusion

Each sentence below describes a step of the scientific method. Match each sentence with a step of the scientific method listed below.

- A. recognize a problem
B. form a hypothesis
C. test the hypothesis with an experiment
D. draw conclusions

- _____ 6. Grant wondered if dyes could be taken out of leaves, flowers, and stems of plants.
- _____ 7. Tiffney soaked six different kinds of seeds in water for 24 hours. Then she planted the seeds in soil at a depth of 1 cm. She used the same amount of water, light, and heat for each kind of seed.
- _____ 8. Ty read about growing plants in water. He wanted to know how plants could grow without soil
- _____ 9. Angela said, "If I grow five seedlings in red light, I think the plants will grow faster than the five plants grown in white light."
- _____ 10. Doug fed different diets to three groups of guinea pigs. His experiment showed that guinea pigs need vitamin C and protein in their diets.

General Biology Unit Exam -- KEY FOR TEACHERS

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